

FIG. 2A

290

| Code | Calibration Bits 250 |
|------|-------------------------|
| 111 | 001010 |
| 110 | 110010 |
| 101 | 101101 |
| 100 | 000000 |
| 011 | 011000 |
| 010 | 010111 |
| 001 | 000000 |
| 000 | 000000 |

FIG. 2B

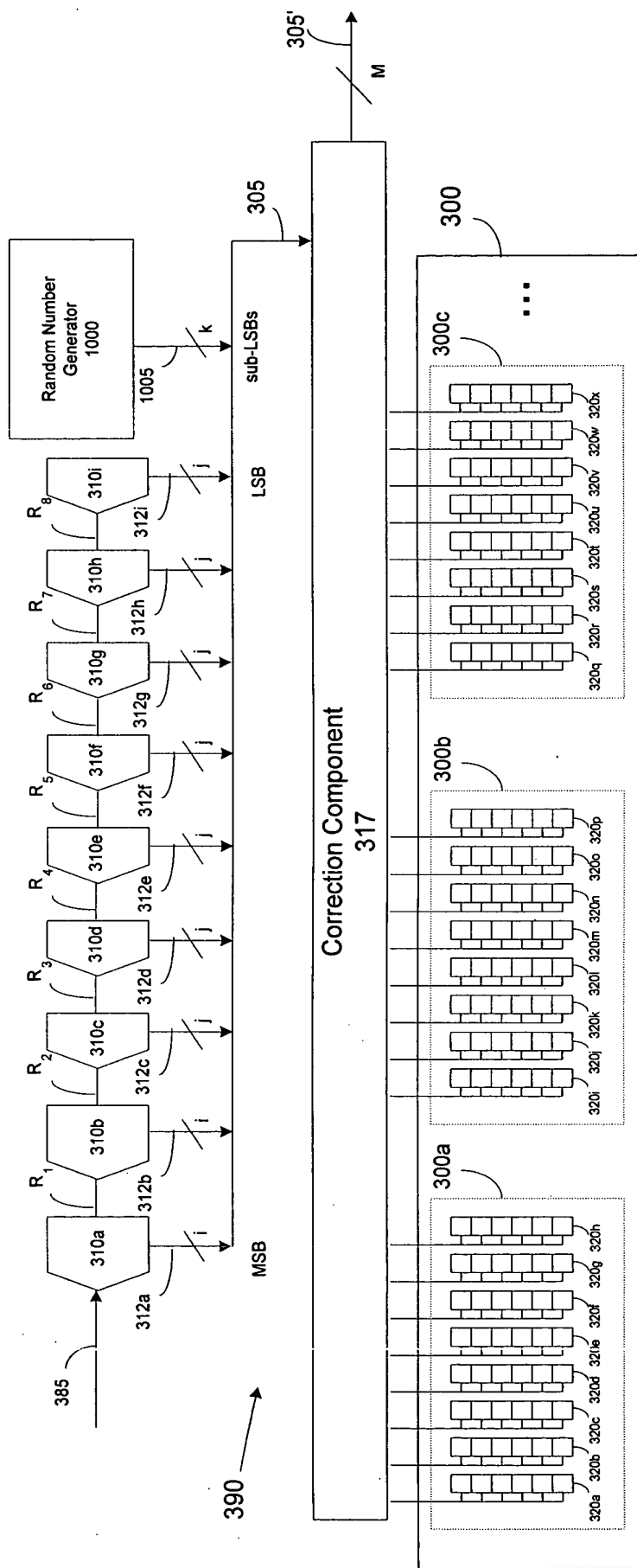


FIG. 3

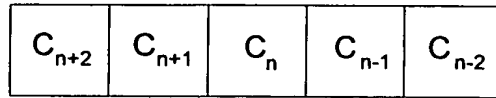


FIG. 4A

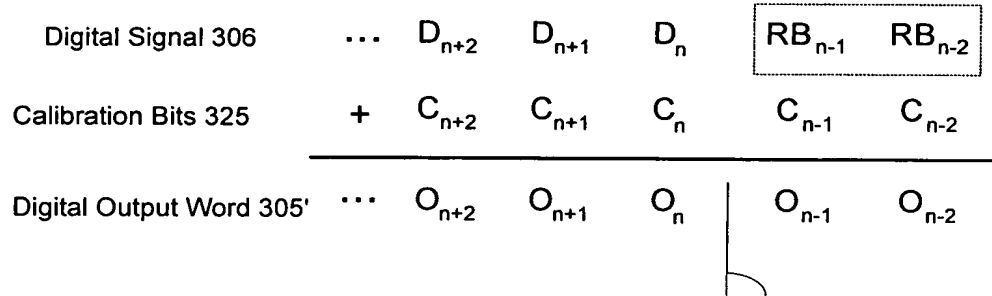


FIG. 4B

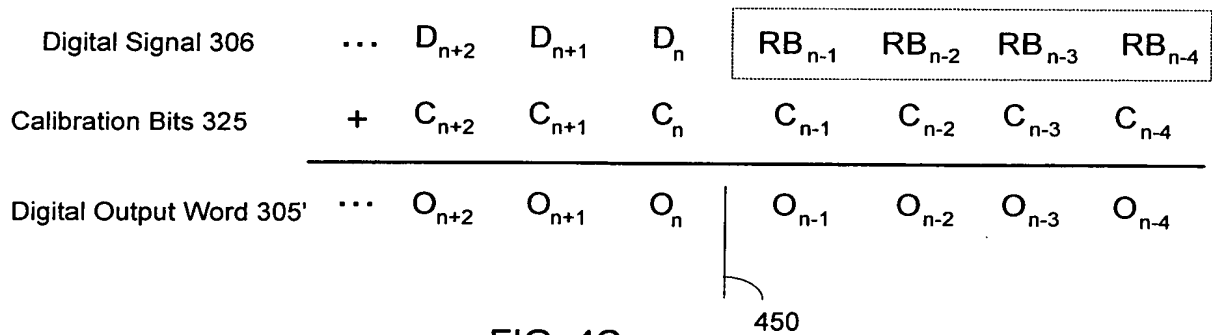


FIG. 4C

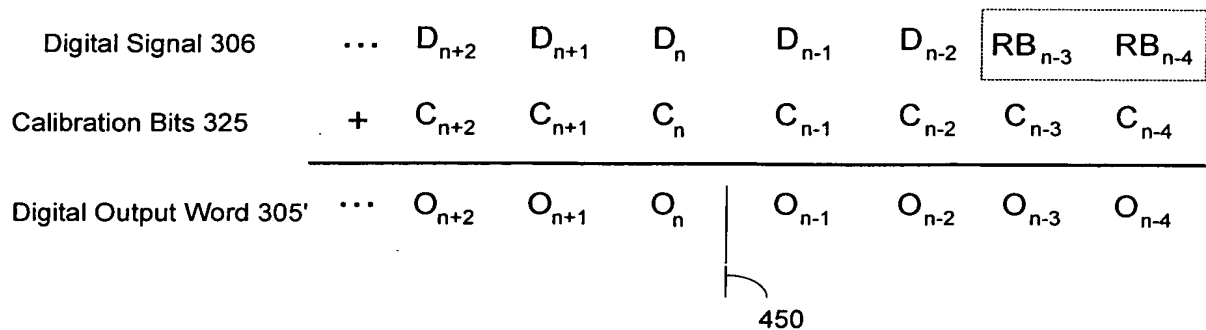


FIG. 4D

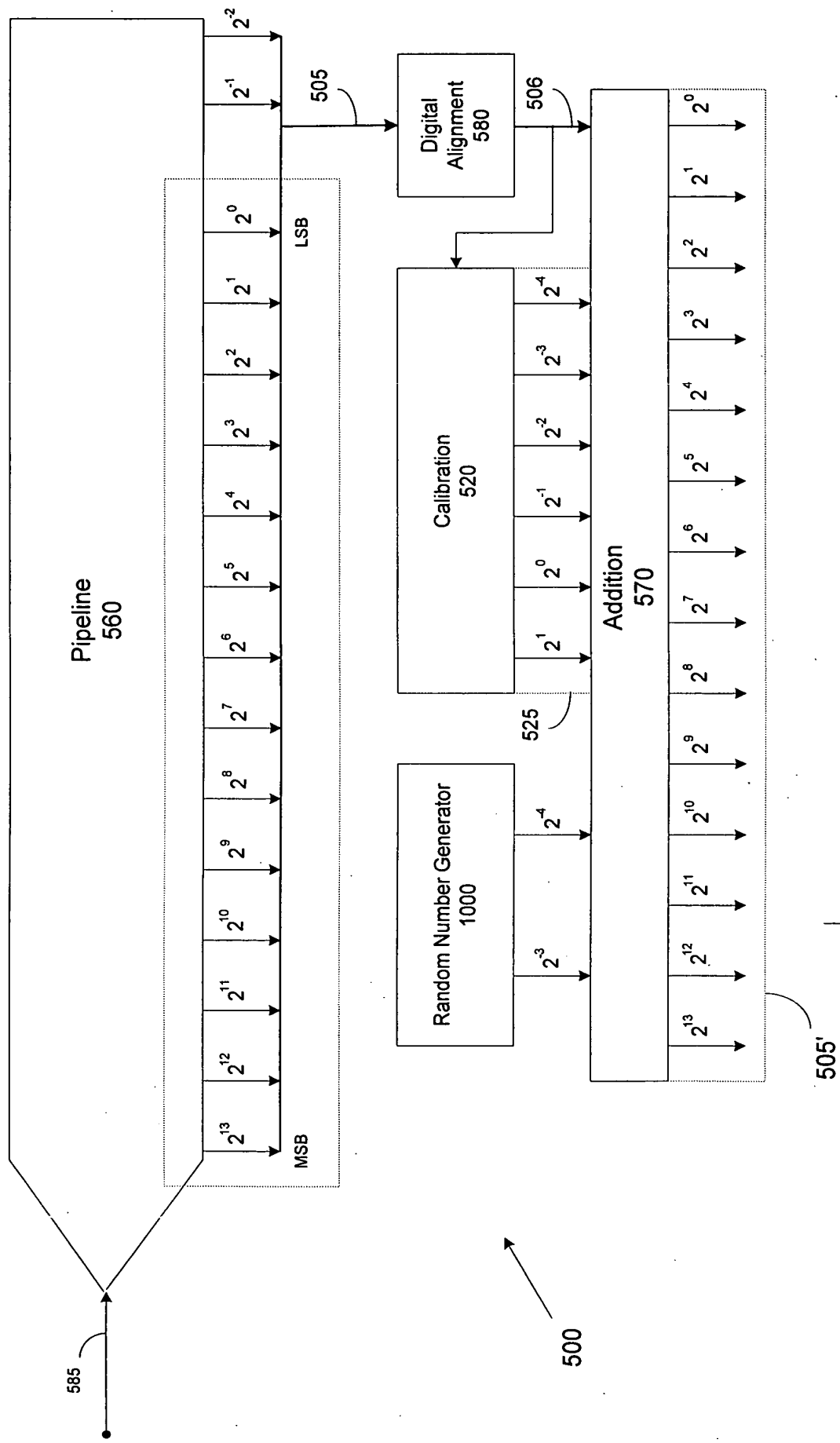


FIG. 5

| | | | | | |
|-------------------------------|------------|-------------|-------------|-----------------|------------------|
| 690a | | | | 690b | |
| 1 | 2 | 3 | 4 | 1 | 2 |
| Input to Correction Component | | | | Digital Output | |
| Digital Output Bits | | Random Bits | Calibration | No Calibration | With Calibration |
| $2^2, 2^1, 2^0$ | $2^1, 2^0$ | $2^3, 2^4$ | $2^3, 2^4$ | $2^2, 2^1, 2^0$ | $2^2, 2^1, 2^0$ |
| 1 | 111 | 11 | 00 | 111 | 111 |
| | | | | | |
| | | | | | |
| | | | | | |
| 2 | 100 | 00 | 00 | 100 | 100 |
| | | | | | |
| | | | | | |
| | | | | | |
| 3 | 100 | 01 | 00 | 100 | 100 |
| | | | | | |
| | | | | | |
| | | | | | |
| 4 | 100 | 10 | 01 | 100 | 100 |
| | | | | | |
| | | | | | |
| | | | | | |
| 5 | 100 | 11 | 01 | 100 | 100 |
| | | | | | |
| | | | | | |
| | | | | | |
| 6 | 101 | 00 | 01 | 101 | 101 |
| | | | | | |
| | | | | | |
| | | | | | |

FIG. 6

690

| | | | | | | |
|-------------------------------|------------------|------------------|------------------|-----------------|------------------|----|
| 790a | | | | 790b | | |
| 1 | 2 | 3 | 4 | 1 | 2 | |
| Input to Correction Component | | | | Digital Output | | |
| Digital Output Bits | | Random Bits | Calibration | No Calibration | With Calibration | |
| $2^2, 2^1, 2^0$ | $2^{-1}, 2^{-2}$ | $2^{-3}, 2^{-4}$ | $2^{-3}, 2^{-4}$ | $2^2, 2^1, 2^0$ | $2^2, 2^1, 2^0$ | |
| 1 | 111 | 11 | 00 | 111 | 111 | |
| | | | | | | 01 |
| | | | | | | 10 |
| | | | | | | 11 |
| 2 | 100 | 00 | 01 | 100 | 100 | |
| | | | | | | 01 |
| | | | | | | 10 |
| | | | | | | 11 |
| 3 | 100 | 01 | 10 | 100 | 100 | |
| | | | | | | 00 |
| | | | | | | 01 |
| | | | | | | 11 |
| 4 | 100 | 10 | 10 | 100 | 100 | |
| | | | | | | 01 |
| | | | | | | 10 |
| | | | | | | 11 |
| 5 | 100 | 11 | 00 | 100 | 100 | |
| | | | | | | 01 |
| | | | | | | 10 |
| | | | | | | 11 |
| 6 | 101 | 00 | 01 | 101 | 101 | |
| | | | | | | 10 |
| | | | | | | 11 |
| | | | | | | 00 |

795

TRIM

790

FIG. 7

795

TRIM

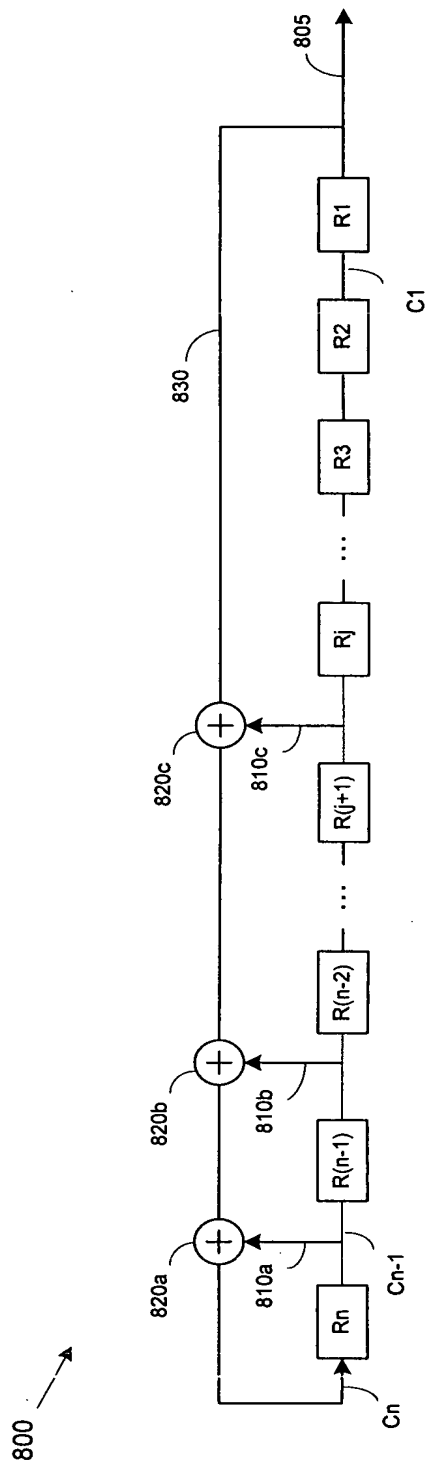


FIG. 8A

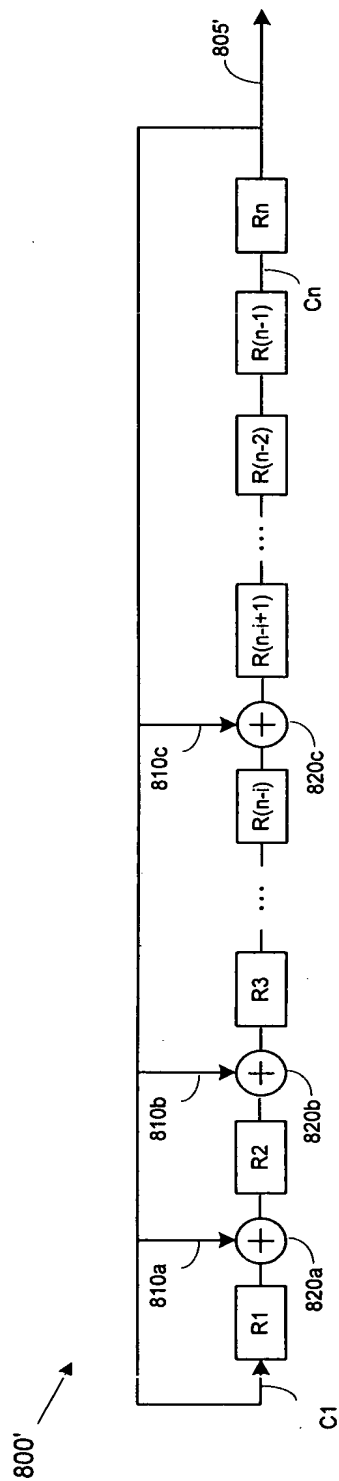


FIG. 8B